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NOTICE OF ALLOWANCE AND FEE(S) DUE

04743

7590

07/28/2005

MARSHALL, GERSTEIN & BORUN LLP 233 S. WACKER DRIVE, SUITE 6300 SEARS TOWER CHICAGO, IL 60606 EXAMINER

SMITH, BRADLEY

ART UNIT PAPER NUMBER

2891 DATE MAILED: 07/28/2005

APPLICATION NO.			ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,038	07/08/2003	Young-Soo Kim	29926/39505	3909

TITLE OF INVENTION: ATOMIC LAYER DEPOSITION OF TITANIUM NITRIDE USING BATCH TYPE CHAMBER AND METHOD FOR FABRICATING CAPACITOR BY USING THE SAME

APPLN. TYPE SMALL ENTIT		ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1400	\$300	\$1700	10/28/2005	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

indicated unless corrected maintenance fee notificatio	below or directed otherwise	in Block 1, by (a)	specifying a	new co	rrespondence address;	and/or (b) indicating a sep	arate "FEE ADDRESS" for
CURRENT CORRESPONDEN	CE ADDRESS (Note: Use Block 1 for	any change of address)		1	Note: A certificate of	mailing can only be used f	or domestic mailings of the for any other accompanying
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04743 7	7590 07/28/2005			1	nave its own certificate	of mailing or transmission.	ent or formal drawing, must
MARSHALL, G	ERSTEIN & BORUI	N LLP		•	Cer	tificate of Mailing or Tran	smission
233 S. WACKER	DRIVE, SUITE 6300			1	hereby certify that the	is Fee(s) Transmittal is being with sufficient postage for fu	g deposited with the United
SEARS TOWER				Š	ddressed to the Mai	Stop ISSUE FEE address	g deposited with the United st class mail in an envelope above, or being facsimile date indicated below.
CHICAGO, IL 60	606			ľ	ransmitted to the USP	10 (5/1) 2/3-2883, on the	(Depositor's name)
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APPLICATION NO.	FILING DATE		FIRST NAMED	INVENT	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,038	07/08/2003		Young-So	o Kim		29926/39505	3909
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CFR 1.363).	dence address (or Change of	Correspondence	(1) the nam or agents Of		to 3 registered pater	it attorneys	
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"Fee Address" indica PTO/SB/47; Rev 03-02 Number is required.	ation (or "Fee Address" Indica or more recent) attached. Use	ition form e of a Customer	registered a 2 registered listed, no na	natent :	ngle firm (having as a or agent) and the nam attorneys or agents. If be printed.	es of up to no name is 3	
3. ASSIGNEE NAME ANI	D RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT	(print or	type)		
PLEASE NOTE: Unless recordation as set forth i	s an assignee is identified be n 37 CFR 3.11. Completion	elow, no assignee of this form is NOT	data will appea	ar on th	e patent. If an assign an assignment.	ee is identified below, the	document has been filed for
(A) NAME OF ASSIGN	NEE:	(В) RESIDENCE	E: (CITY	and STATE OR CO	UNTRY)	
			-				
Please check the appropriat	e assignee category or catego	ries (will not be pri	nted on the pat	tent) :	☐ Individual ☐ Co	orporation or other private gr	oup entity Government
4a. The following fee(s) are	e enclosed:	4b	. Payment of F	ee(s):			
☐ Issue Fee			_		ount of the fee(s) is en		
	small entity discount permitte			•	card. Form PTO-2038		
Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Status	s (from status indicated above		<u> </u>				<u> </u>
	SMALL ENTITY status. See		••			LL ENTITY status. See 37 C	
The Director of the USPTO NOTE: The Issue Fee and F interest as shown by the rec	is requested to apply the Issu Publication Fee (if required) veords of the United States Pate	te Fee and Publicat vill not be accepted ent and Trademark	ion Fee (if any I from anyone o Office.	/) or to r other th	e-apply any previousl an the applicant; a regi	y paid issue fee to the applic stered attorney or agent; or t	ation identified above. he assignee or other party in
Authorized Signature					Date		
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This collection of information application. Confidential	on is required by 37 CFR 1.3 lity is governed by 35 U.S.C.	11. The information	n is required to	o obtain ection is	or retain a benefit by t	he public which is to file (arminutes to complete, includi	d by the USPTO to process) ng gathering, preparing, and

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/615,038 07/08/2003		Young-Soo Kim	29926/39505	3909
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-	ERSTEIN & BORUI	SMITH, BRADLEY		
233 S. WACKER DRIVE, SUITE 6300 SEARS TOWER			ART UNIT	PAPER NUMBER
CHICAGO, IL 60606			2891	
			DATE MAILED: 07/28/200	5

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.